

Multimedia Appendix 6

Distribution of impactful risk predictors across the three risk categories.

Risk category	Low	Medium	High
Risk score intervals	[0-0.0045]	[0.0045-0.01]	[0.01-1]
Population	673,075	109,662	53,922
Age			
<45	54.16%	1.62%	0.79%
45-54	14.96%	6.43%	4.17%
55-64	17.24%	15.38%	11.72%
≥65	13.64%	76.56%	83.32%
Gender			
Male	44.05%	43.77%	45.53%
Female	55.95%	56.23%	54.47%
Smoking	1.38%	2.10%	4.96%
Pulmonary Diseases			
COPD	1.98%	10.25%	21.62%
Pneumonia	0.94%	2.87%	5.07%
Other respiratory disorders	0.43%	1.36%	2.53%
Other cancer history	4.91%	22.39%	26.85%
Other chronic diseases			
Diabetes	5.04%	20.95%	24.29%
CVDs	12.30%	47.15%	50.48%
CKD	0.81%	7.23%	10.31%
Symptoms			
Haemoptysis	0.08%	0.21%	0.42%
Pleural effusion	0.08%	0.78%	1.74%
Cough	3.78%	5.93%	9.38%
Abnormal weightloss	0.48%	1.40%	1.88%
Dyspnea	0.25%	1.10%	1.55%
Chest pain	3.49%	7.05%	7.18%
Abnormal laboratory tests			
C reactive protein	0.70%	2.22%	2.52%
Leukocytes count	6.27%	17.14%	19.98%
Glomerular filtration rate	1.29%	5.57%	7.31%
Glucose	8.52%	27.23%	30.65%
Platelets	4.20%	13.22%	16.15%
Neutrophils	2.42%	7.73%	10.03%
Monocytes	4.46%	13.40%	17.07%
Lymphocytes	4.19%	13.51%	17.09%
Eosinophils	3.98%	10.96%	13.83%
Alkaline phosphatase	4.77%	14.30%	16.96%
Medication of pulmonary diseases			
Albuterol sulfate	0.65%	0.35%	0.63%
Ipratropium bromide	0.12%	0.30%	0.52%
Ciprofloxacin hcl	0.84%	2.85%	3.37%
Levofloxacin	0.45%	2.15%	3.82%
Medicine of diabetes			
Metformin hcl	1.65%	6.34%	7.14%
Glipizide	0.62%	3.81%	4.89%
Medication of cardiovascular diseases			
Amlodipine besylate	1.10%	6.72%	8.69%
Diltiazem hcl	0.08%	0.73%	1.20%
Valsartan	0.23%	1.39%	1.66%
Losartan potassium	0.78%	4.57%	5.73%
Metoprolol tartrate	0.96%	6.45%	9.36%
Lisinopril	3.42%	15.00%	17.50%
Hydrochlorothiazide	1.26%	5.28%	5.29%
Atenolol	0.85%	4.53%	5.06%

Risk category	Low	Medium	High
Risk score intervals	[0-0.0045]	[0.0045-0.01]	[0.01-1]
Population	673,075	109,662	53,922
Medicine of mental disorders			
Trazodone	1.38%	3.88%	4.74%
Sertraline	2.16%	4.94%	6.50%
Mirtazapine	0.45%	1.62%	2.36%
Lorazepam	1.34%	4.18%	5.17%
Diazepam	0.70%	1.65%	1.76%
Bupropion	1.48%	2.65%	2.77%
Aripiprazole	0.39%	0.60%	0.61%
Alprazolam	0.69%	2.06%	2.45%
Utilizations in the last 6 months			
Mean of estimated cost per person (US \$)	1,209.75	3,275.78	3,522.51
Mean of chronic condition counts per person	1.80	6.42	8.07
Mean of outpatient visits per person	3.06	6.18	6.51
Mean of inpatient days per person	0.25	0.95	1.12
Mean of inpatient admissions per person	0.05	0.17	0.19
Mean of emergency visits per person	0.28	0.38	0.42
Social Determinants			
Low-educated population(%)	8.64	8.96	9.23
High-educated population(%)	49.10	48.20	47.88
Median household income, ZIP code	51,646.07	49,019.50	47,417.20
Medicaid coverage(%)	21.57	22.79	23.68
Private Insurance coverage(%)	54.32	52.19	51.76
Population within half-mile of park (%)	11.52	10.59	10.17